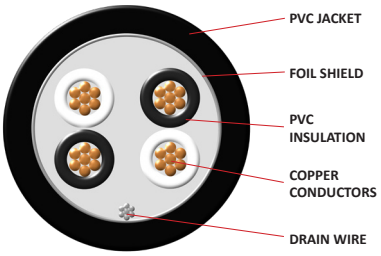
INSTRUMENTATION CABLE
1.5mm² OS - BLACK

APPLICATION: Used in process control applications for interconnecting measurement instruments, instrument panels, sensing devices and control systems. These cables are not to be regarded as power cables and should not be used for the direct connection of equipment to mains power supplies.





TECHNICAL DATA

Conductor	Stranded Plain Annealed Copper Conductor 1.5mm² (7/0.50)
Insulation	PVC, V-90, White & Black Numbered Twisted Pair
Screen	Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
Sheath	Black PVC, 5V-90, Flame Retardant UV Resistant
Operating Voltage	110V AC/150V DC
Operating Temperature	-25°C to +75°C
Insulation Rating	300V
Bending Radius	8D
Standards	International: IEC 60332-3-22, IEC 60079.14 Australia/New Zealand: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660

Maximum Current Rating (Amps)	13
Conductor Resistance @ 20°C (Ω/km)	13.6
Capacitance Cond. to Cond. - Unscreened (pf/m)	110
Capacitance Cond. to Cond. - Screened (pf/m)	200
Capacitance Cond. to Scr. - Screened (pf/m)	300
Characteristic Impedance @ 1kHz Unscreened (Ohms)	200
Characteristic Impedance @ Screened 1kHz (Ohms)	150
Inductance @ 1kHz (mH/km)	0.95
LR Ratio (uH/Ω)	36.5

PHYSICAL CHARACTERISTICS

Product Code	No. of Pairs	Conductor Area (mm²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5102CS	1	1.5	7/0.50	0.4	6.4	57
MAU5502CS	2	1.5	7/0.50	0.4	9.6	106
MAU5504CS	4	1.5	7/0.50	0.4	11.2	183
MAU5506CS	6	1.5	7/0.50	0.4	14.3	289
MAU5508CS	8	1.5	7/0.50	0.4	15.2	371
MAU5510CS	10	1.5	7/0.50	0.4	18.3	475
MAU5512CS	12	1.5	7/0.50	0.4	18.9	550
MAU5516CS	16	1.5	7/0.50	0.4	20.7	713
MAU5520CS	20	1.5	7/0.50	0.4	23.4	894
MAU5524CS	24	1.5	7/0.50	0.4	25.9	1057
MAU5536CS	36	1.5	7/0.50	0.4		
MAU5550CS	50	1.5	7/0.50	0.4		

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